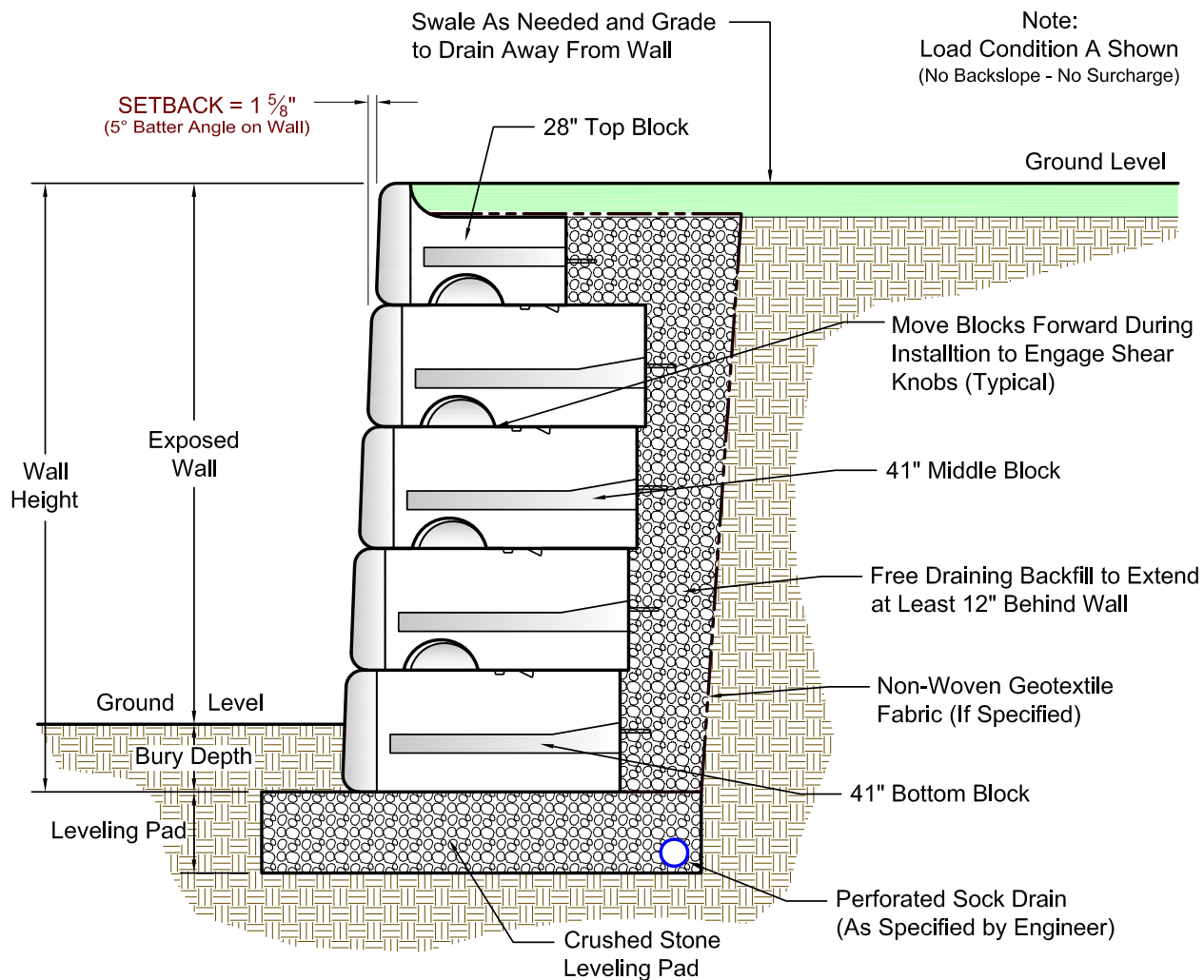


CONSTRUCTION DETAILS

A sample of available Construction Details.
Visit www.redi-rock.com for a complete listing.

Typical Gravity Wall with 41" Blocks

No Scale

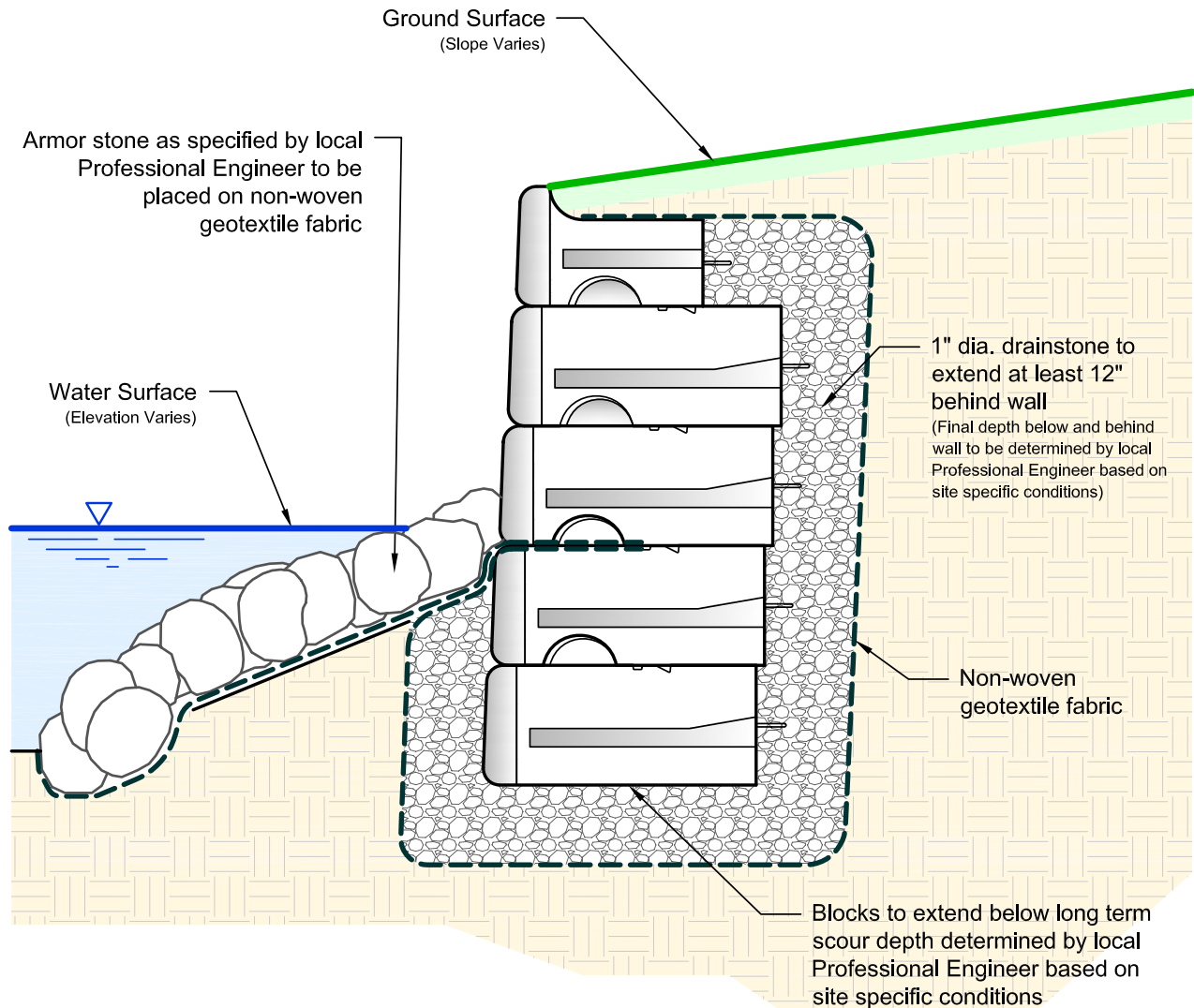


See Redi-Rock.com for Detailed Section Drawings of Each Condition Shown in the Design Charts

DRAWN BY J. JOHNSON	04/14/11	Redi-Rock® International, LLC	
CHECKED BY			
APPROVED BY		DRAWING FILE Typical 41 in Block Gravity Wall 041411.dwg	REVISION —
ISSUE DATE		SCALE NO SCALE	SHEET NO. 1 OF 1

Conceptual Seawall Detail - No. 2

No Scale



NOTES:

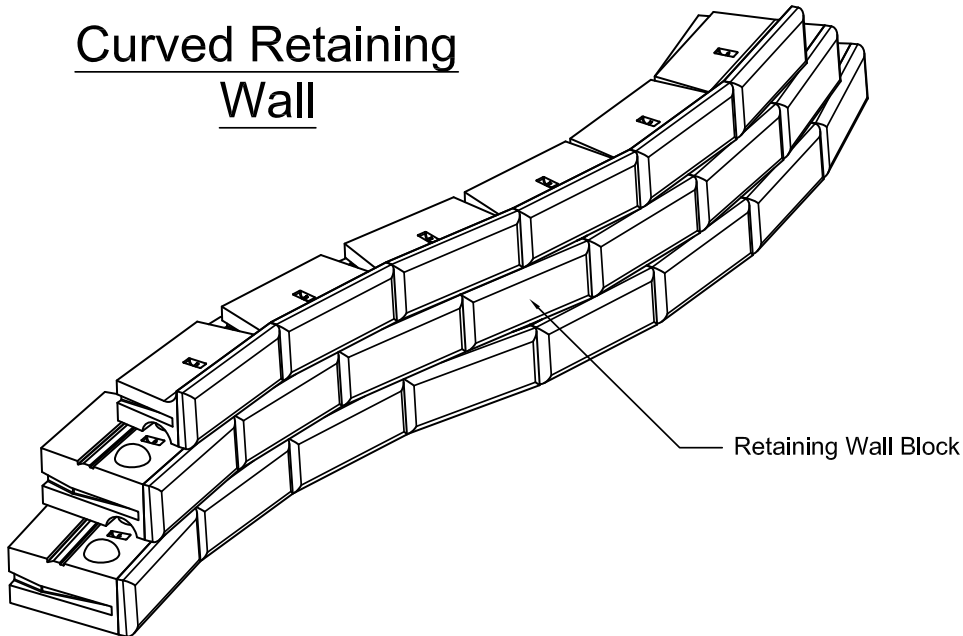
Use 1" diameter stone (or as specified by local Professional Engineer) to infill between blocks.

Maximum wall height charts are not provided for walls in water applications due to the variety of site-specific variables. Contact your local Professional Engineer for specific details and final design.

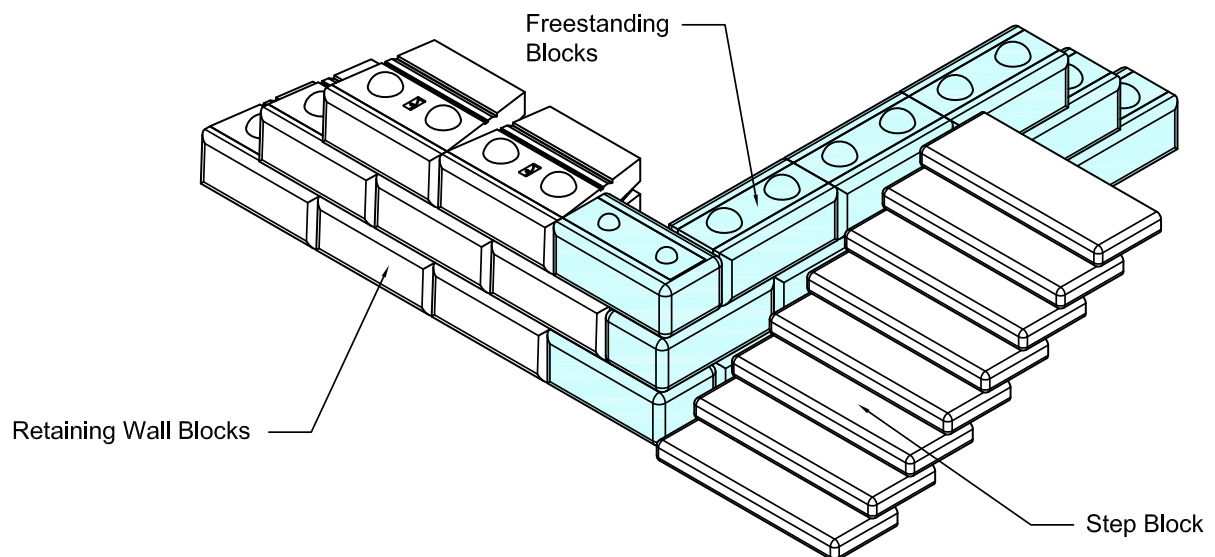
Walls may require geogrid reinforcement. Refer to final engineering plans.

DRAWN BY J. JOHNSON	11/27/07	Redi-Rock® International, LLC	
CHECKED BY			
APPROVED BY		DRAWING FILE Seawall Conceptual Detail No 2.dwg	REVISION ---
ISSUE DATE		SCALE NO SCALE	SHEET NO. 1 OF 1

Curved Retaining Wall

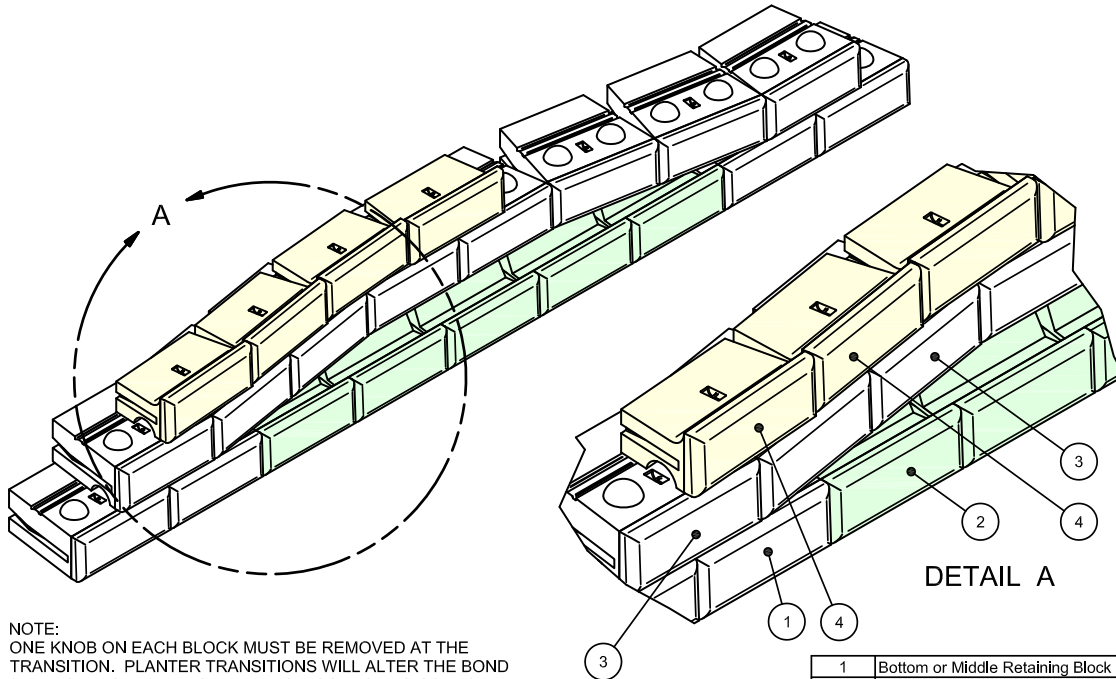


Step Detail Through Retaining Wall



DRAWN BY	RRI	01/11/10	Redi-Rock® International, LLC	
CHECKED BY				
APPROVED BY			DRAWING FILE	REVISION
ISSUE DATE			Curved Retaining Wall and Step Detail Through Wall 011110.dwg	---
			SCALE	SHEET NO.
			NO SCALE	1 OF 1

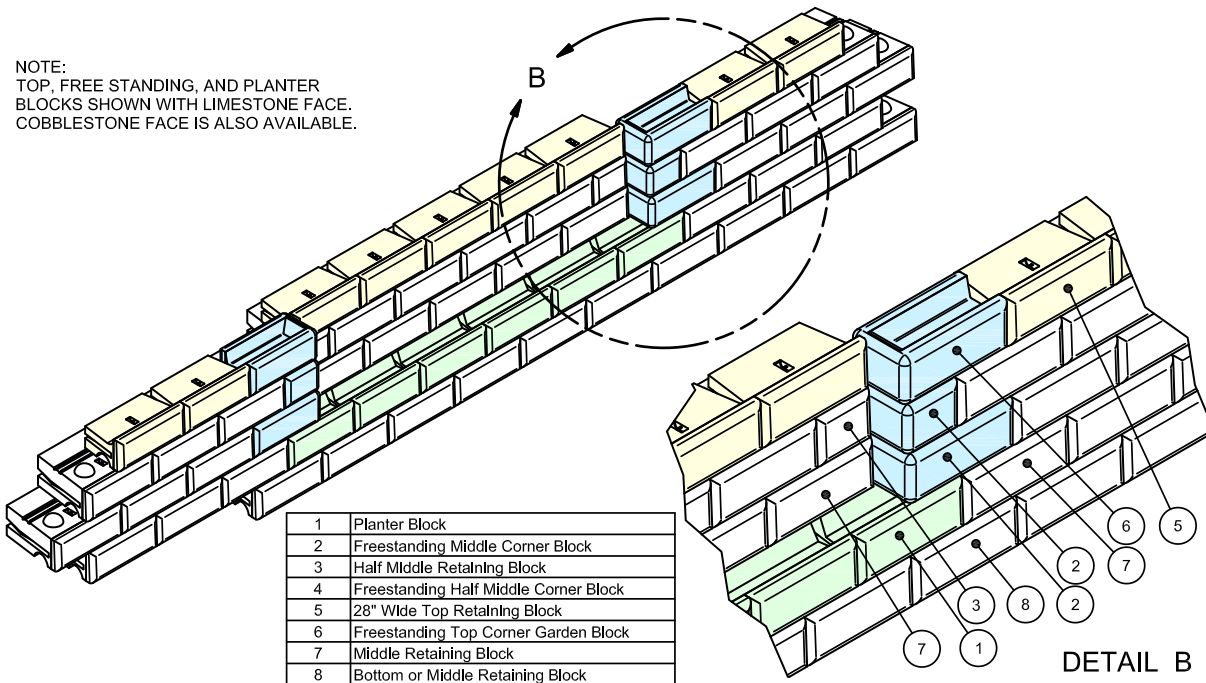
Transition In and Out of Planters



DETAIL A

1	Bottom or Middle Retaining Block
2	Planter Block
3	Middle Retaining Block
4	28" Wide Top Retaining Block

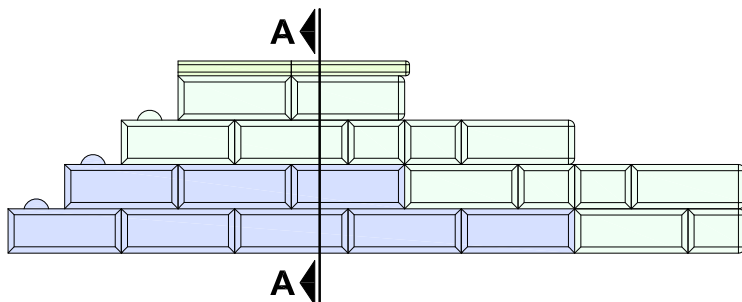
NOTE:
TOP, FREE STANDING, AND PLANTER BLOCKS SHOWN WITH LIMESTONE FACE. COBBLESTONE FACE IS ALSO AVAILABLE.



DETAIL B

DRAWN BY RRI	01/11/10	Redi-Rock® International, LLC	
CHECKED BY			
APPROVED BY		DRAWING FILE Transition In and Out of Planters 011110.dwg	REVISION ---
ISSUE DATE		SCALE NO SCALE	SHEET NO. 1 OF 1

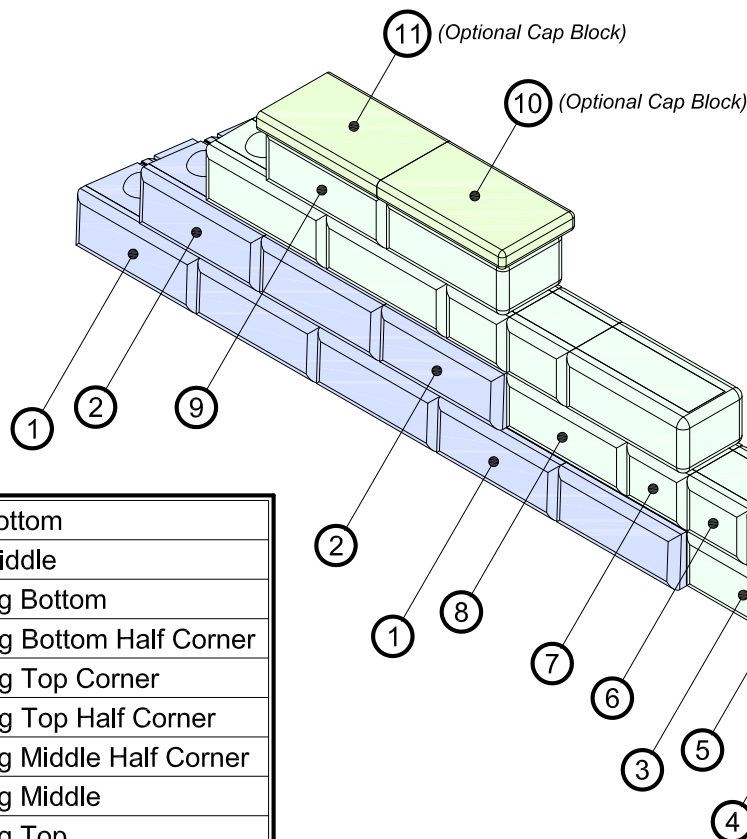
Perimeter Free Standing Wall Blocks on Top of Retaining Blocks



Wall Profile

SETBACK = 0.00"
 SETBACK = $2 \frac{7}{8}$ "
 (With 10" Knob)
 SETBACK = $1 \frac{5}{8}$ "
 (With 7 $\frac{1}{2}$ " Knob)
 SETBACK = $1 \frac{5}{8}$ "

Section A-A

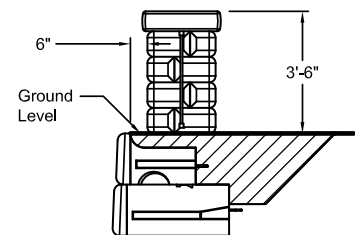
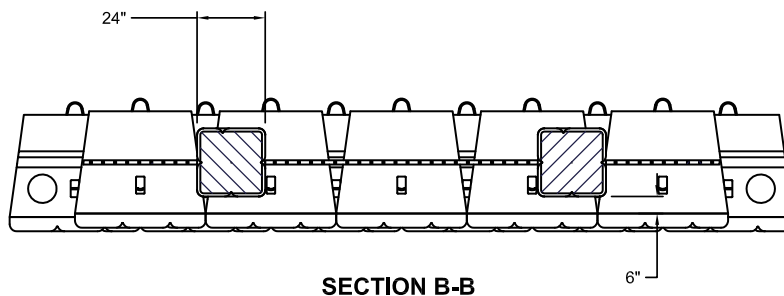
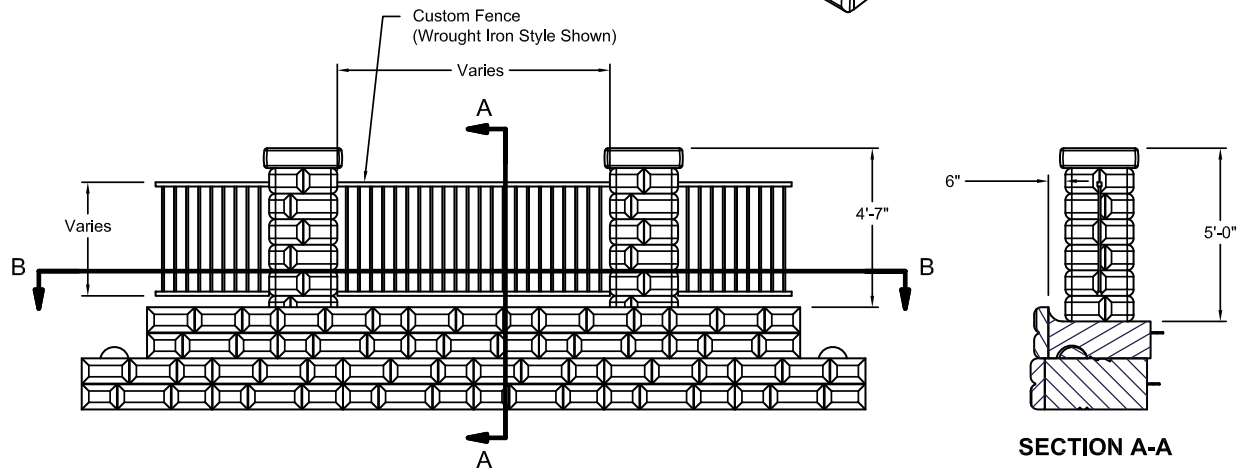
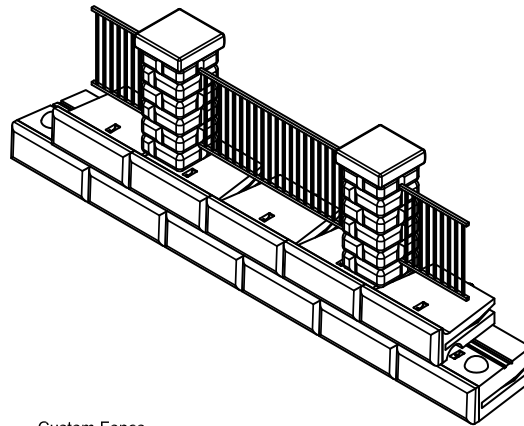


1	Retaining Bottom
2	Retaining Middle
3	Freestanding Bottom
4	Freestanding Bottom Half Corner
5	Freestanding Top Corner
6	Freestanding Top Half Corner
7	Freestanding Middle Half Corner
8	Freestanding Middle
9	Freestanding Top
10	6" Cap Block - 3 Sided
11	6" Cap Block - 2 Sided

DRAWN BY J. JOHNSON	01/26/11	Redi-Rock® International, LLC	
CHECKED BY			
APPROVED BY		DRAWING FILE Perimeter Freestanding on Top of Retaining 012611.dwg	REVISION ---
ISSUE DATE		SCALE NO SCALE	SHEET NO. 1 OF 1

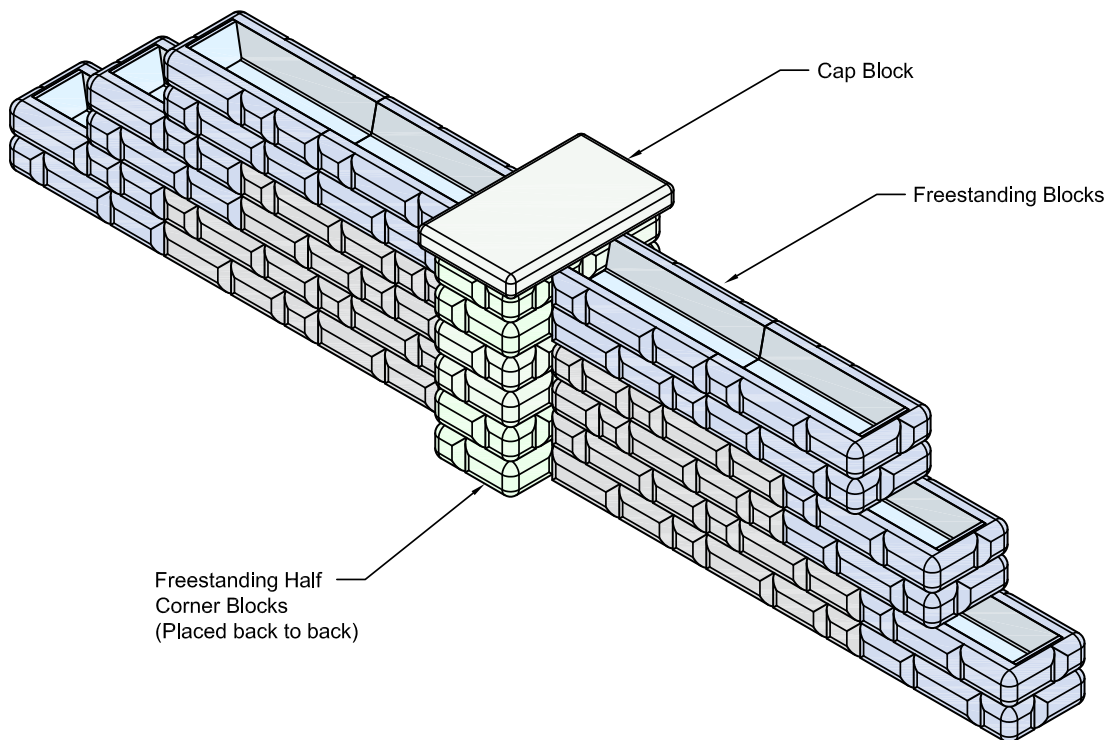
Redi-Rock Columns with Wrought Iron Fence

Available Upon Special Request Only

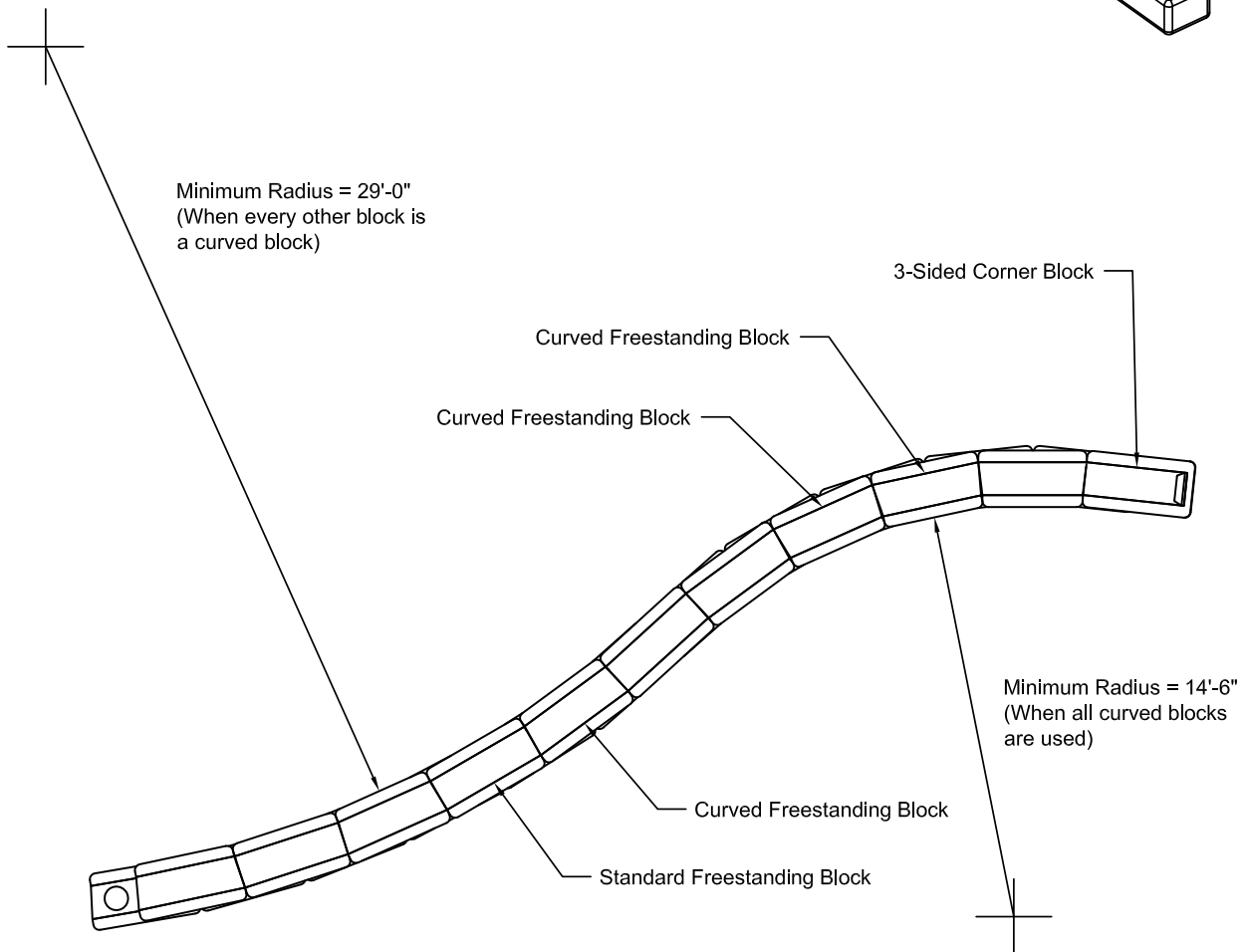
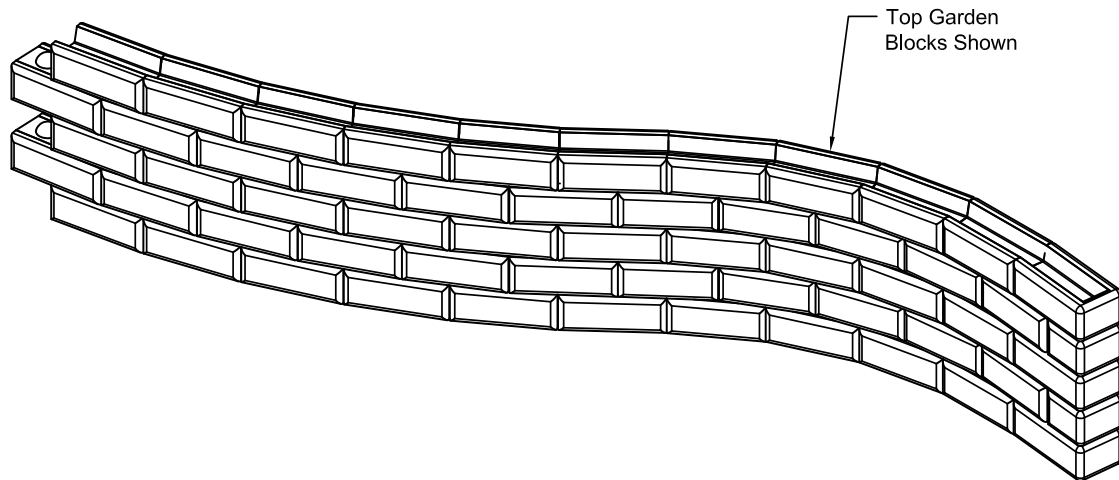


DRAWN BY RRI	01/11/10	Redi-Rock® International, LLC	
CHECKED BY			
APPROVED BY		DRAWING FILE Columns with Fence on Wall 011110.dwg	REVISION ---
ISSUE DATE		SCALE NO SCALE	SHEET NO. 1 OF 1

PILASTER WALL



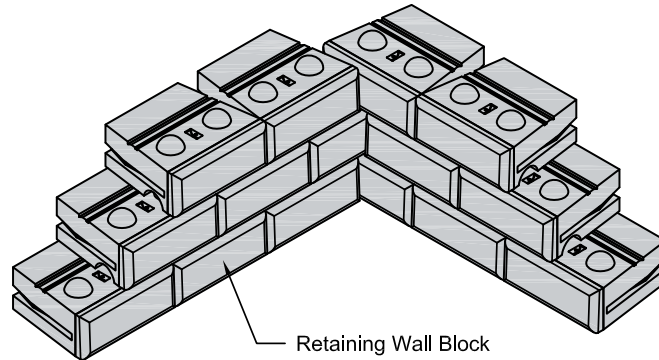
DRAWN BY	RRI	01/11/10	Redi-Rock® International, LLC	
CHECKED BY				
APPROVED BY			DRAWING FILE	REVISION
ISSUE DATE			Pilaster Wall 011110.dwg	---
			SCALE	SHEET NO.
			NO SCALE	1 OF 1

CURVED FREESTANDING WALL**NOTE:**

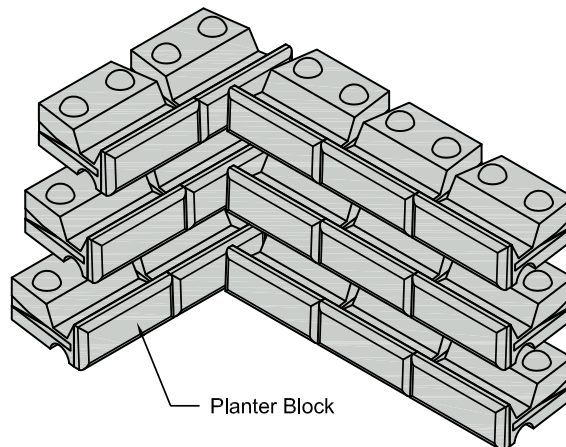
Smaller radius curves are available by using the end block insert. (This is not applicable in Force Protection Applications.)

DRAWN BY RRI	01/11/10	Redi-Rock® International, LLC	
CHECKED BY			
APPROVED BY		DRAWING FILE Curved Freestanding Wall 011110.dwg	REVISION ---
ISSUE DATE		SCALE NO SCALE	SHEET NO. 1 OF 1

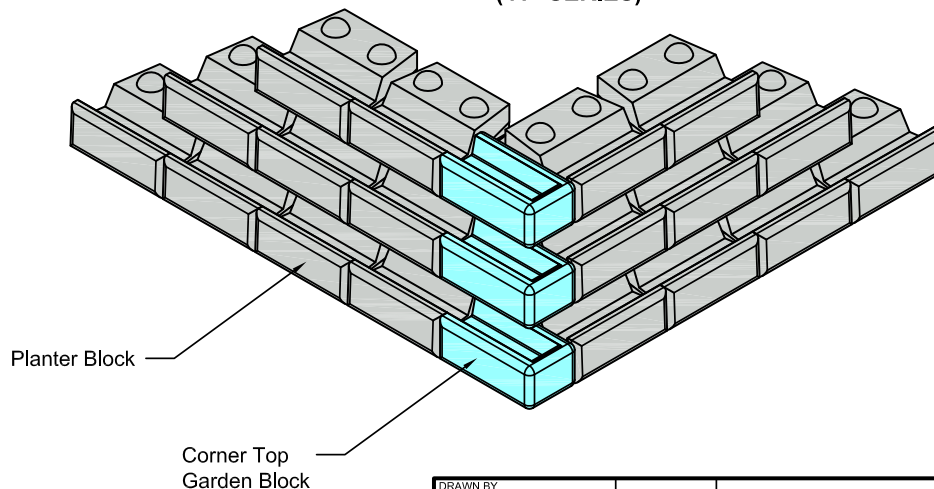
90° INSIDE CORNER (41" AND 28" SERIES)



90° INSIDE CORNER WITH PLANTER BLOCKS (41" SERIES)



90° OUTSIDE CORNER WITH PLANTER BLOCKS (41" SERIES)



DRAWN BY	RR1	01/12/10	Redi-Rock® International, LLC	
CHECKED BY				
APPROVED BY			DRAWING FILE	REVISION
ISSUE DATE			Corner Details for 41in and 28in Series 011210.dwg	—
			SCALE	SHEET NO.
			NO SCALE	1 OF 1

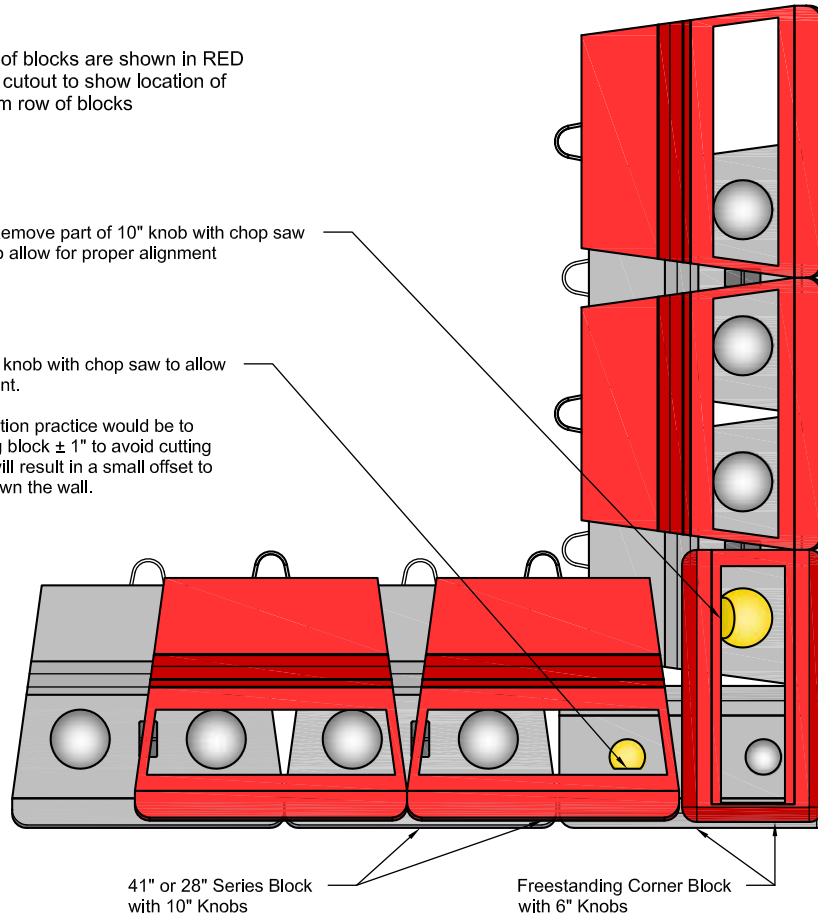
90° OUTSIDE CORNER DETAIL (41" AND 28" SERIES)

Note: Top row of blocks are shown in RED and have been cutout to show location of knobs on bottom row of blocks

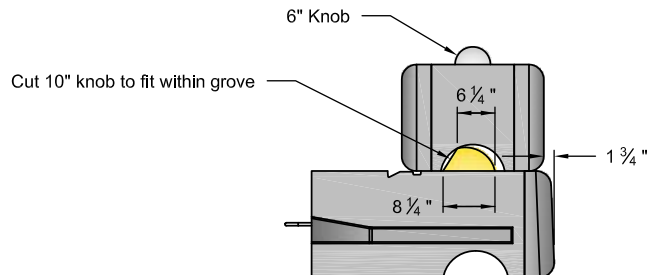
Remove part of 10" knob with chop saw to allow for proper alignment

Remove part of 6" knob with chop saw to allow for proper alignment.

Alternate construction practice would be to offset freestanding block $\pm 1"$ to avoid cutting knob. Note, this will result in a small offset to the bond beam down the wall.



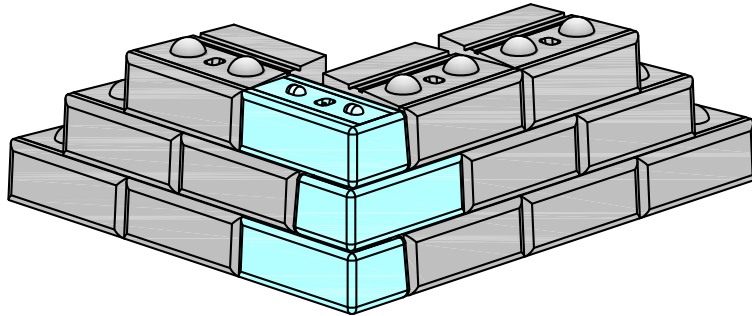
TOP VIEW
(NO SCALE)



SIDE VIEW
(NO SCALE)

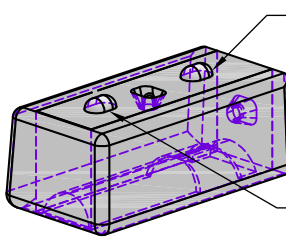
DRAWN BY J. JOHNSON	01/11/10	Redi-Rock® International, LLC	
CHECKED BY		DRAWING FILE 90 Outside Corner for 41in and 28in Series 011110.dwg	REVISION ---
APPROVED BY		SCALE NO SCALE	SHEET NO. 1 OF 1
ISSUE DATE			

90° OUTSIDE CORNER DETAIL WITH SPECIALTY CORNER BLOCK (41" AND 28" SERIES)



**ISOMETRIC VIEW
OF CORNER**
(NO SCALE)

**SPECIALTY CORNER
BLOCK**
(NO SCALE)

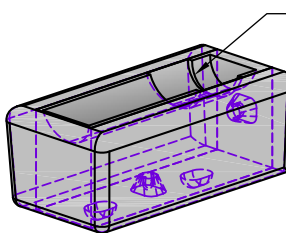


TOP VIEW

4" x 6" x 2" HIGH OVAL KNOB
CENTERED ON BLOCK

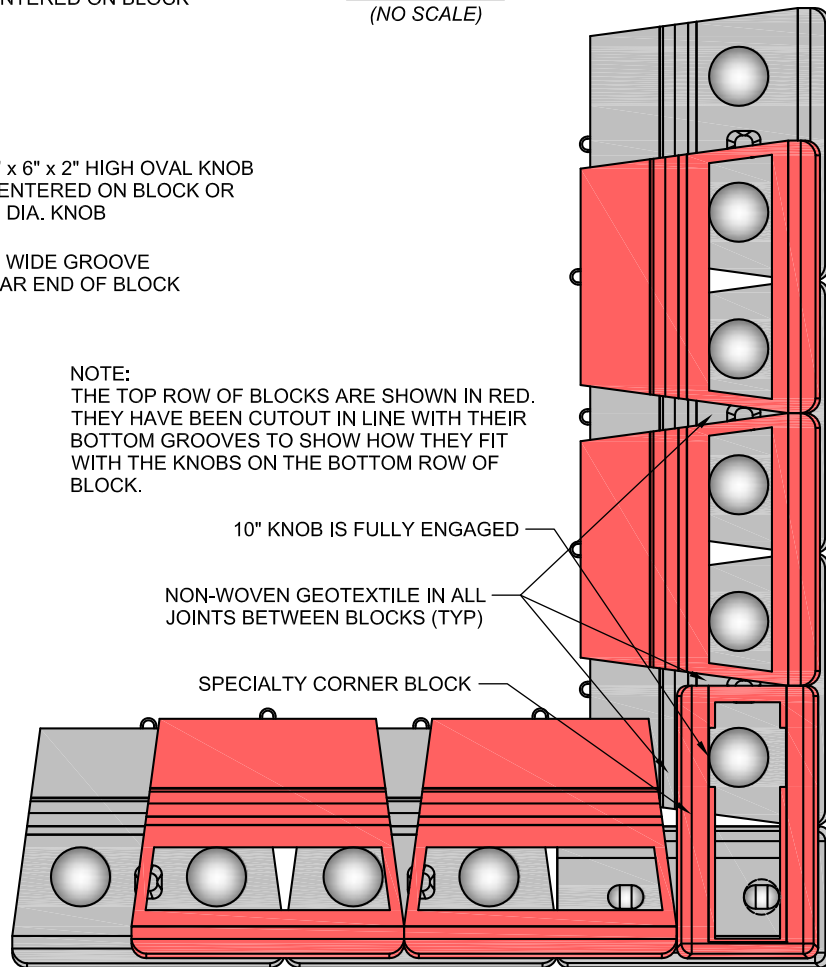
4" x 6" x 2" HIGH OVAL KNOB
CENTERED ON BLOCK OR
6" DIA. KNOB

13" WIDE GROOVE
NEAR END OF BLOCK



BOTTOM VIEW

NOTE:
THE TOP ROW OF BLOCKS ARE SHOWN IN RED.
THEY HAVE BEEN CUTOUT IN LINE WITH THEIR
BOTTOM GROOVES TO SHOW HOW THEY FIT
WITH THE KNOBS ON THE BOTTOM ROW OF
BLOCK.



10" KNOB IS FULLY ENGAGED

NON-WOVEN GEOTEXTILE IN ALL
JOINTS BETWEEN BLOCKS (TYP)

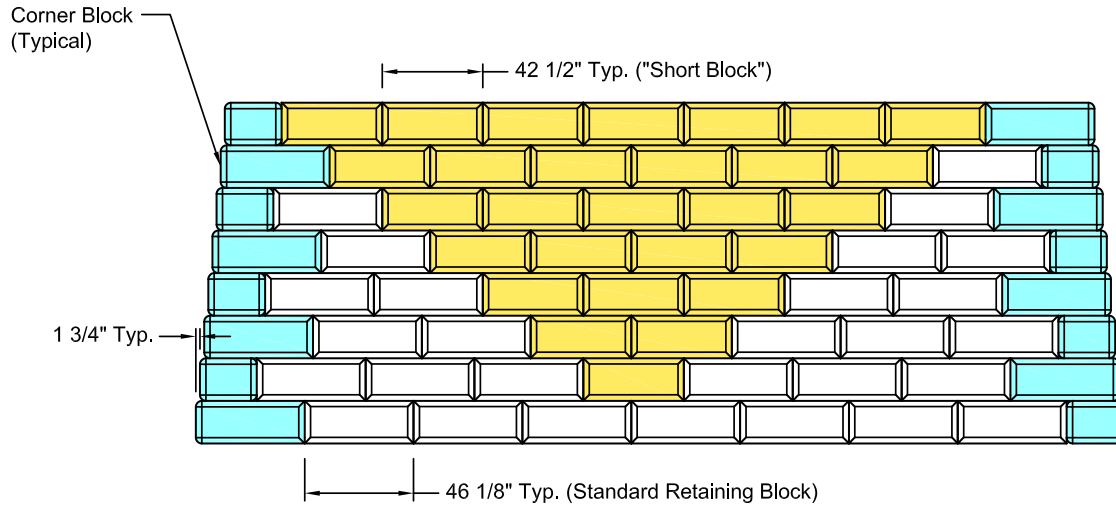
SPECIALTY CORNER BLOCK

41" OR 28" SERIES BLOCKS
(41" SHOWN)

TOP VIEW OF BOTTOM TWO ROWS
(NO SCALE)

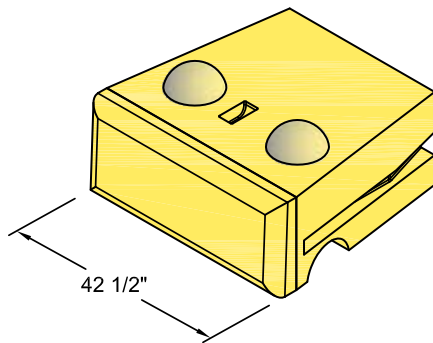
DRAWN BY J. JOHNSON	10/20/10	Redi-Rock® International, LLC		
CHECKED BY				
APPROVED BY		SCALE NO SCALE	REVISION --	SHEET NO. 1 OF 1
ISSUE DATE		DRAWING FILE 90 Outside Corner w Specialty Block for 41in and 28in Series 102010.dwg		

DOUBLE 90° OUTSIDE CORNER - 42 1/2" BLOCK SOLUTION (41" AND 28" SERIES)

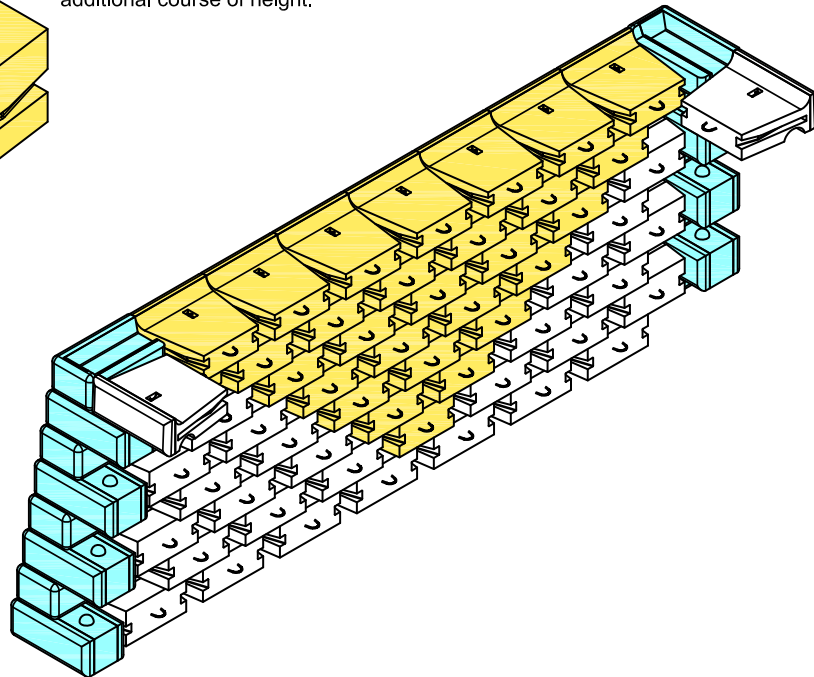


NOTES:

- 42 1/2" "short" blocks are made using a special adaptor kit for the retaining wall form.
- For this solution to work please note the orientation of the corner blocks.
- One extra short block must be used for each additional course of height.

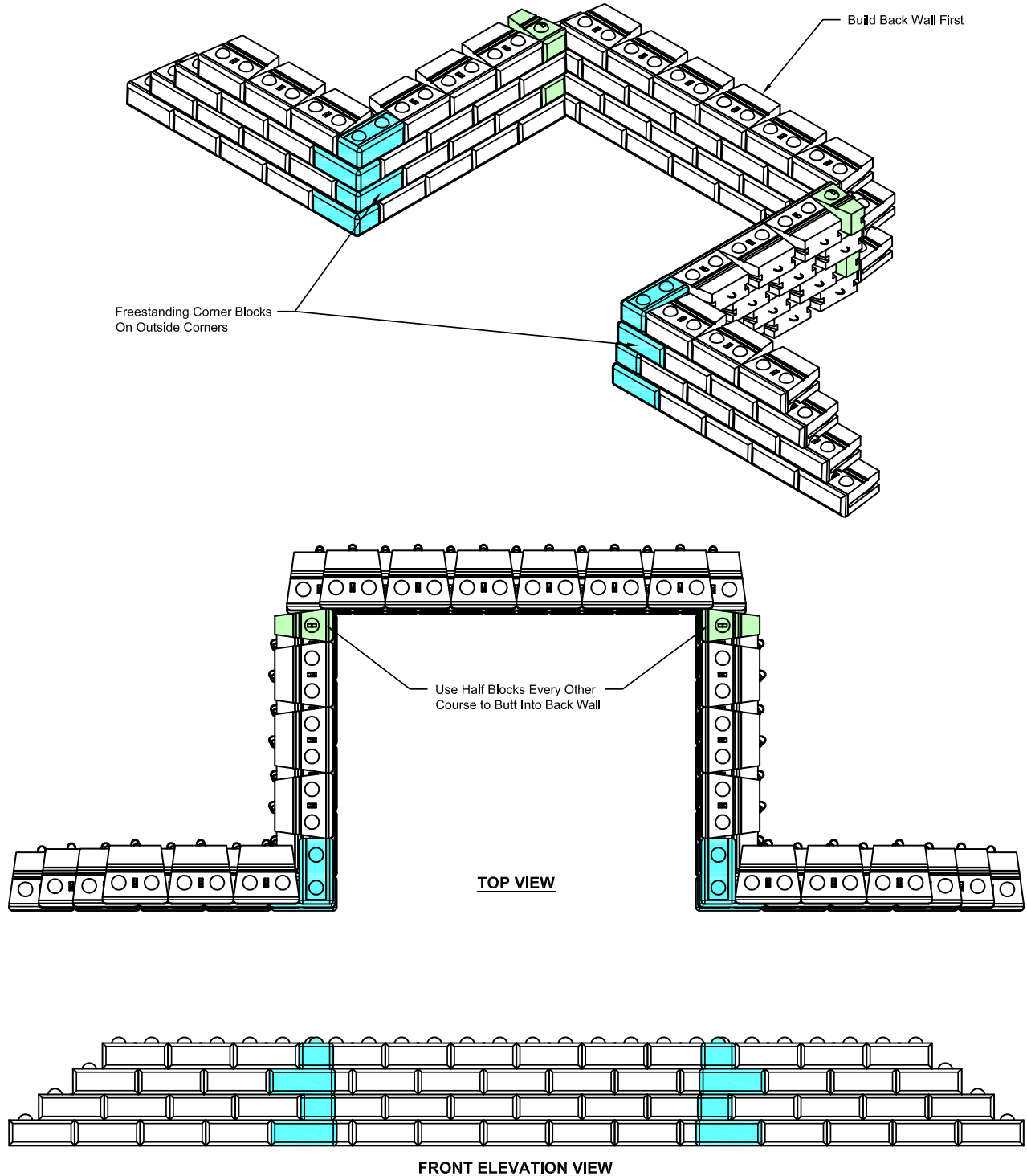


"SHORT BLOCK"



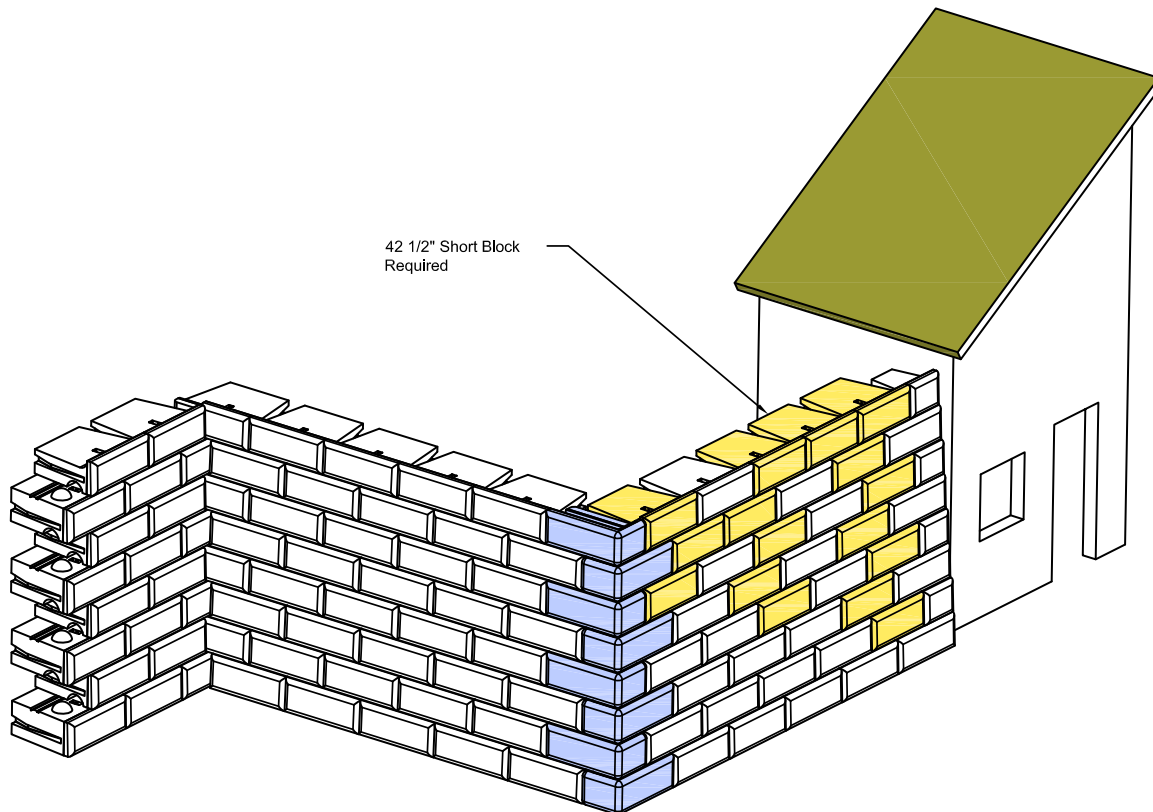
DRAWN BY RRI	01/12/10	Redi-Rock® International, LLC	
CHECKED BY			
APPROVED BY		DRAWING FILE Double 90 Outside Corner - Short Block Solution for 41in and 28in Series 011210.dwg	REVISION —
ISSUE DATE		SCALE NO SCALE	SHEET NO. 1 OF 1

DOUBLE 90° INSIDE CORNER (41" AND 28" SERIES)



DRAWN BY RRI	01/12/10	Redi-Rock® International, LLC	
CHECKED BY			
APPROVED BY		DRAWING FILE Double 90 Inside Corner 011210.dwg	REVISION —
ISSUE DATE		SCALE NO SCALE	SHEET NO. 1 OF 1

FLUSH END TO 90° CORNER DETAIL (41" AND 28" SERIES)

**NOTES:**

Wall is flush with building.

Rows 2, 4, 6, and 8 require approximately 1/8" gaps between blocks for length of wall given.

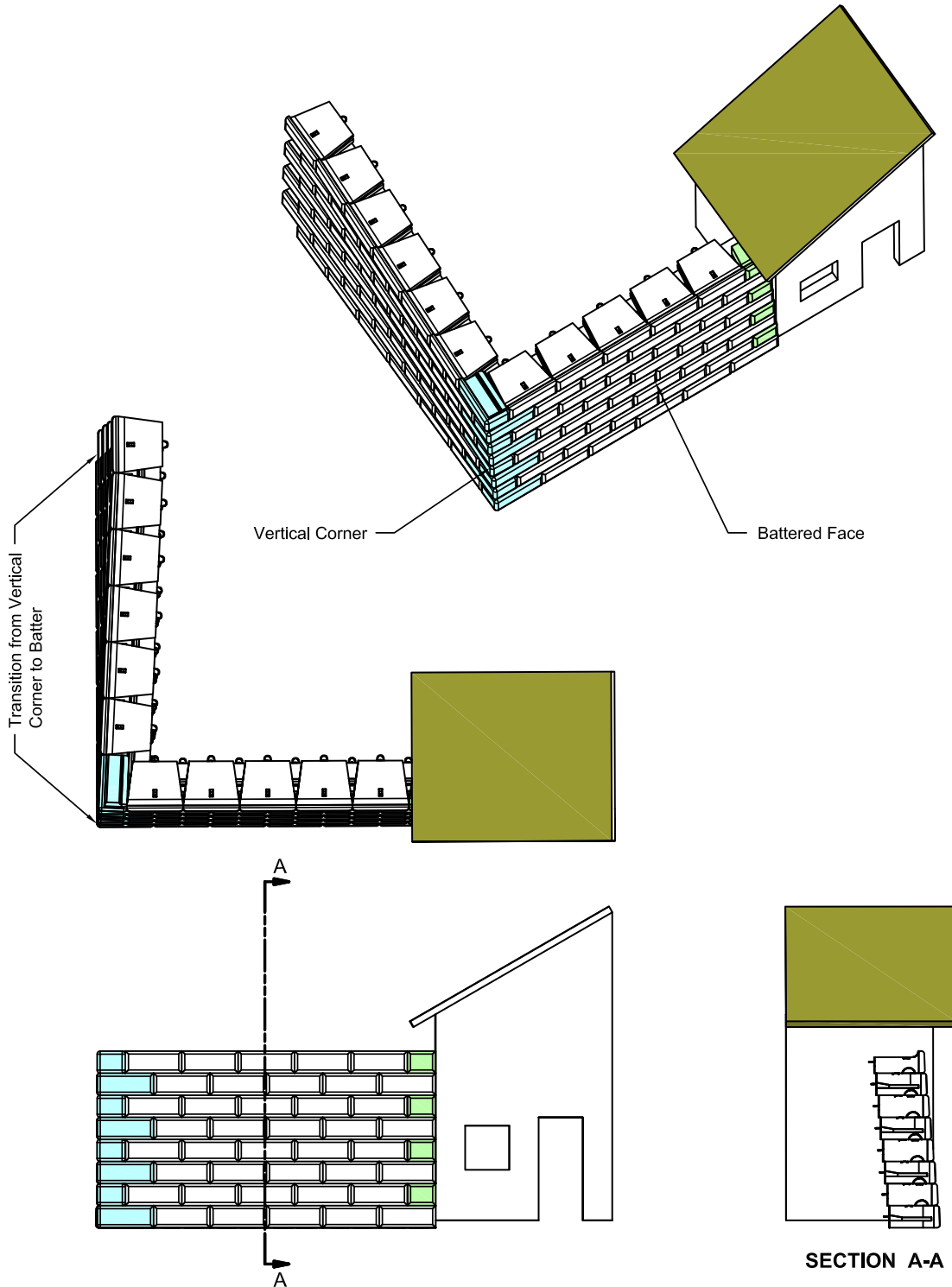
Solution shown based on a 24" wide corner block.

COURSE	SHORT BLOCKS REQUIRED
1	None
2 and 3	1 per Row
4 and 5	2 per Row
6 and 7	3 per Row
8	4 per Row

PARTS LIST	
QTY	DESCRIPTION
13	Retaining Bottom
3	Retaining Middle Half
7	FS Corner Middle
33	Retaining Middle
12	Short Retaining Middle
4	Short Retaining Top
1	FS Corner Top Garden Left
7	Retaining Top
1	Retaining Top Half
30	Retaining Middle
1	Retaining Top Cut
1	House Corner

DRAWN BY RRI	01/12/10	Redi-Rock® International, LLC	
CHECKED BY			
APPROVED BY		DRAWING FILE Flush Corner for 41in and 28in Series 011210.dwg	REVISION —
ISSUE DATE		SCALE NO SCALE	SHEET NO. 1 OF 1

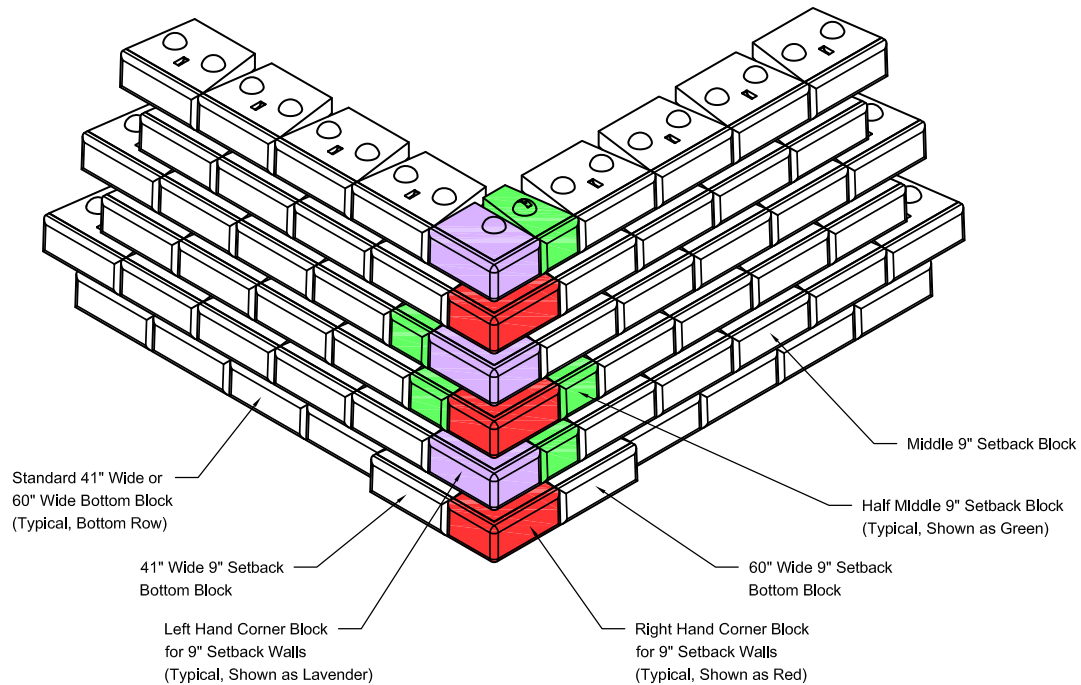
VERTICAL CORNER TO BATTERED WALL DETAIL (41" AND 28" SERIES)



DRAWN BY	RRi	01/12/10	Redi-Rock® International, LLC	
CHECKED BY				
APPROVED BY			DRAWING FILE	REVISION
ISSUE DATE			Vertical Corner to Battered Wall for 41in and 28in Series 011210.dwg	—
			SCALE	SHEET NO.
			NO SCALE	1 OF 1

90° OUTSIDE CORNER

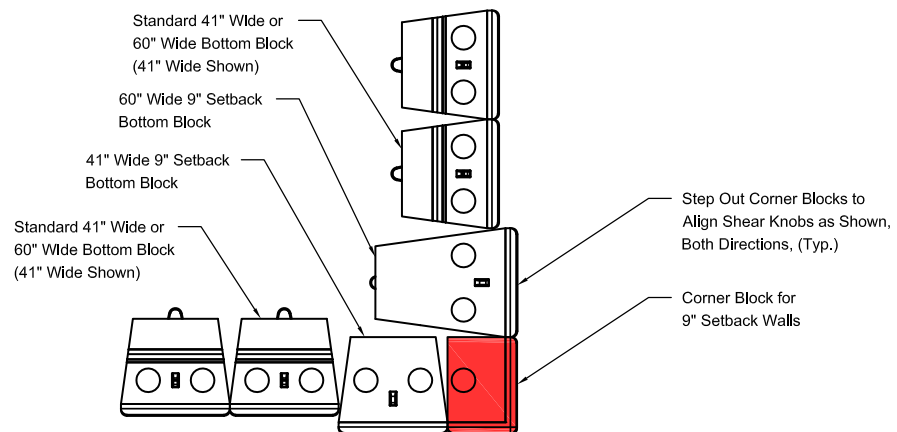
(9" SETBACK WALLS)



Step Out Corner Blocks to Align Shear Knobs as Shown, Both Directions, (Typ.)

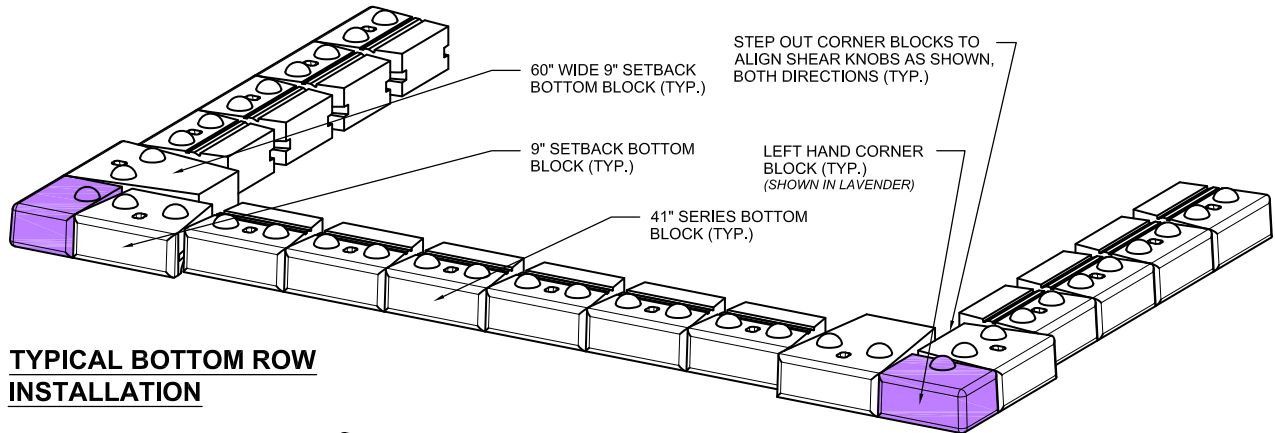
BOTTOM ROW DETAILS FOR 90° OUTSIDE CORNER

(9" SETBACK WALLS)

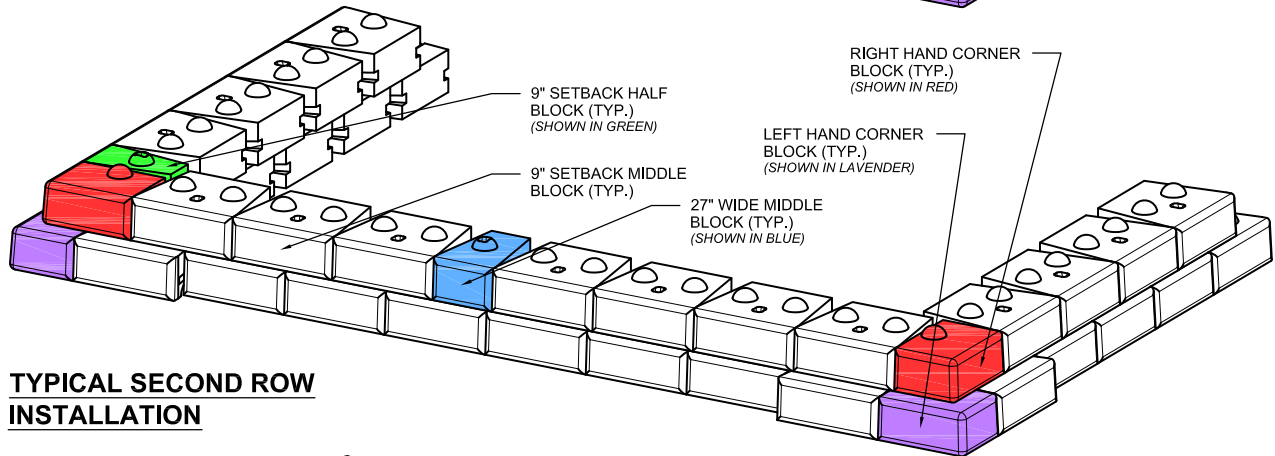


DRAWN BY M. WALZ	05/31/11	Redi-Rock® International, LLC	
CHECKED BY			
APPROVED BY		DRAWING FILE 90 Outside Corner for 9in Setback Walls 053111.dwg	REVISION --
ISSUE DATE		SCALE NO SCALE	SHEET NO. 1 OF 1

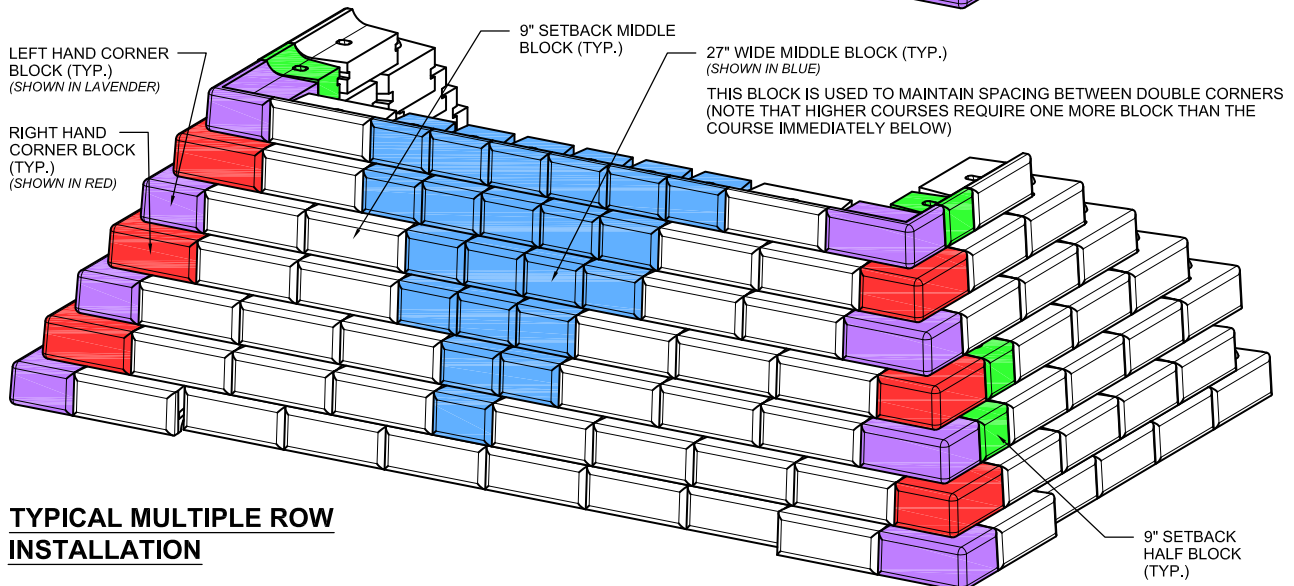
DOUBLE 90° OUTSIDE CORNERS (9" SETBACK WALLS)



**TYPICAL BOTTOM ROW
INSTALLATION**



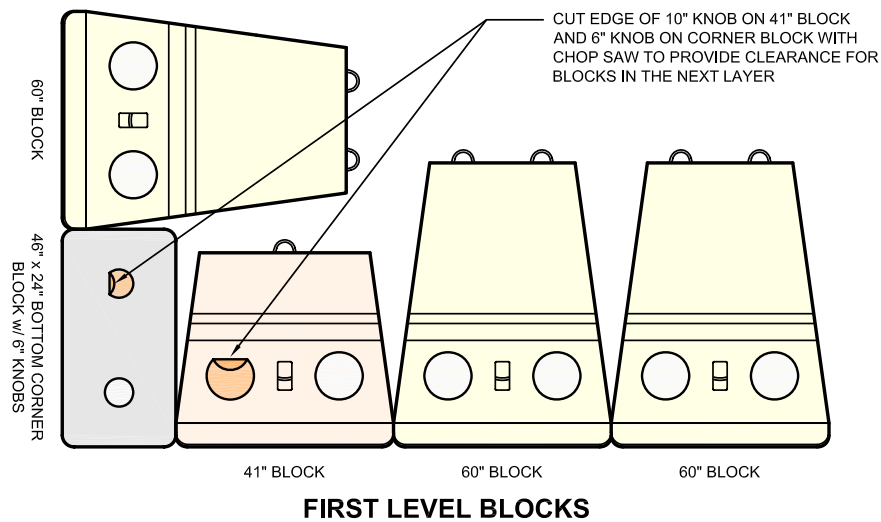
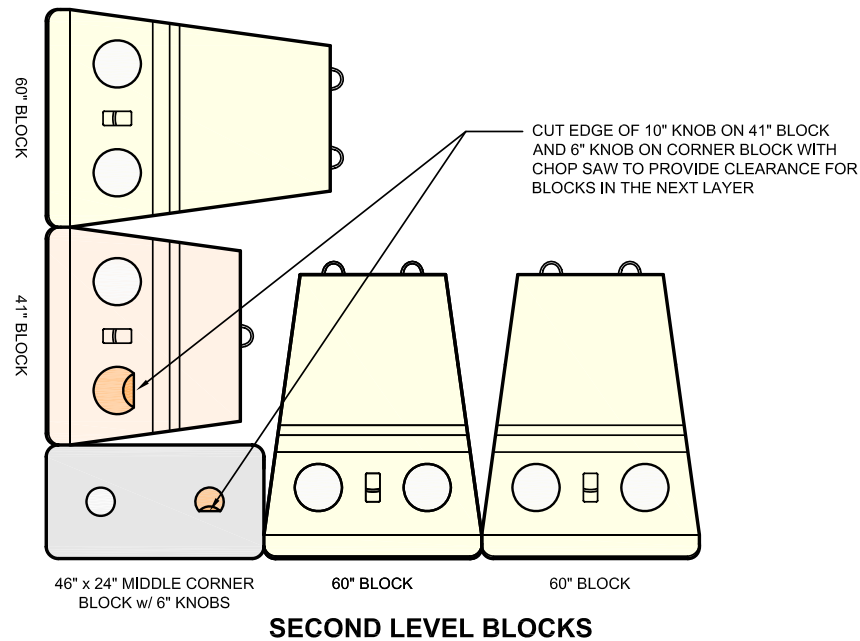
**TYPICAL SECOND ROW
INSTALLATION**



**TYPICAL MULTIPLE ROW
INSTALLATION**

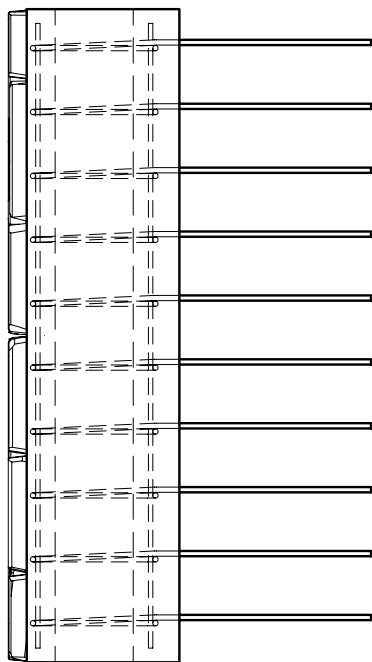
DRAWN BY M. WALZ	05/31/11	Redi-Rock® International, LLC	
CHECKED BY			
APPROVED BY		DRAWING FILE Double 90 Outside Corner for 9in Setback Walls 053111.dwg	REVISION --
ISSUE DATE		SCALE NO SCALE	SHEET NO. 1 OF 1

90° Outside Corner (60" Blocks)



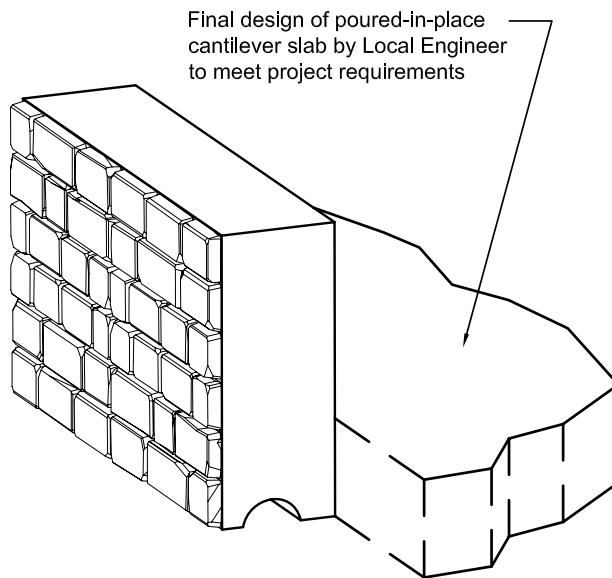
DRAWN BY J. JOHNSON	02/18/09	Redi-Rock® International, LLC	
CHECKED BY			
APPROVED BY		DRAWING FILE 90 Outside Corner for 60in Blocks 021809.dwg	REVISION —
ISSUE DATE		SCALE NO SCALE	SHEET NO. 1 OF 1

Precast Barrier Block



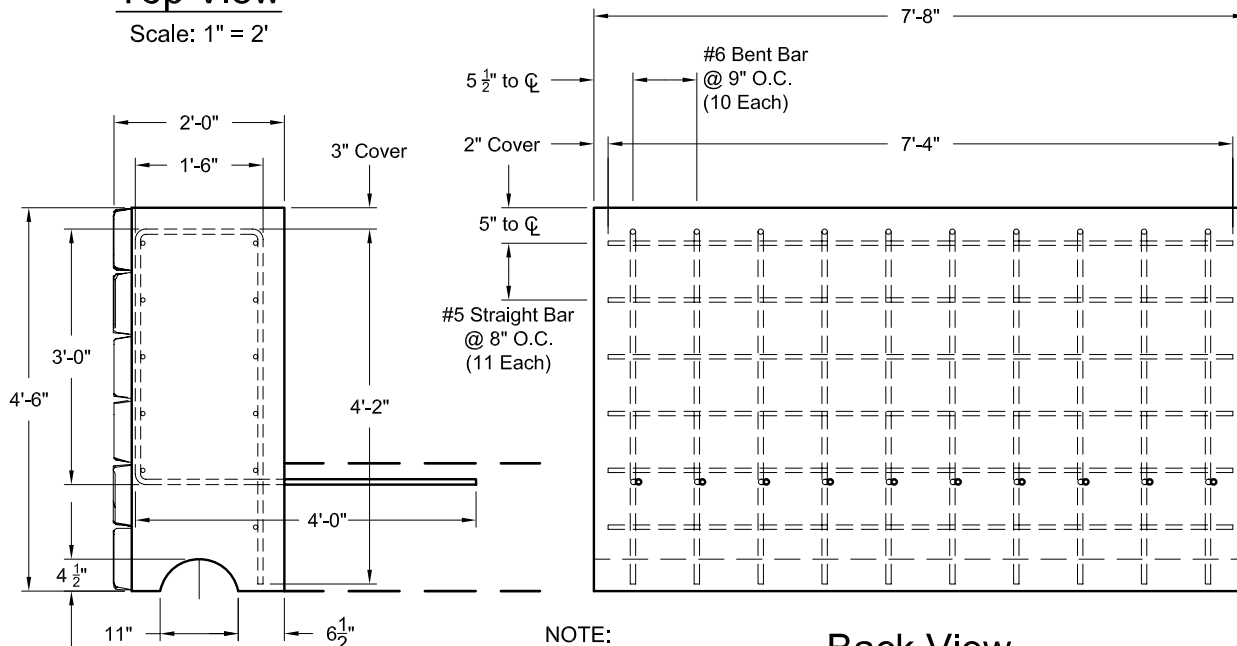
Top View

Scale: 1" = 2'



Isometric View

No Scale



Side View

Scale: 1" = 2'

NOTE:

Rebar shown in Barrier Block meets TL-3 loading requirements. Rebar design in Barrier Block can be modified as necessary to meet other loading conditions.

Back View

Scale: 1" = 2'

Notes:

All reinforcing steel shall be Grade 60 deformed rebar.
All concrete shall have a minimum 28 day compressive strength of 4000 psi.

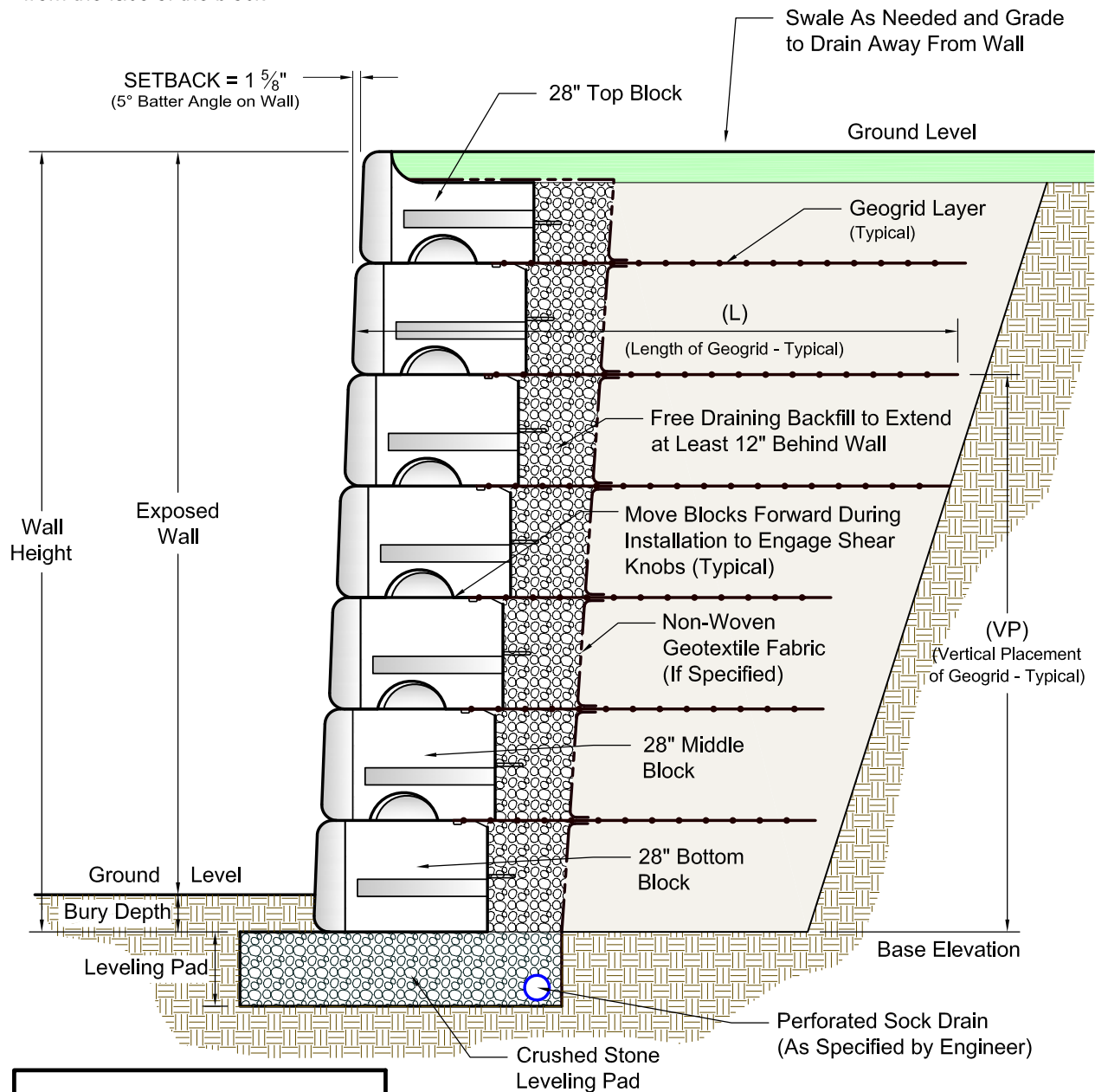
DRAWN BY J. JOHNSON	01/05/07	Redi-Rock® International, LLC	
CHECKED BY			
APPROVED BY		DRAWING FILE Precast Barrier Block Details.dwg	REVISION ---
ISSUE DATE		SCALE NO SCALE	SHEET NO. 1 OF 1

Typical Geogrid Wall with 28" Geoconnector Blocks

No Scale

(VP) = Vertical placement of geogrid layers.
Measurements are from the base elevation.

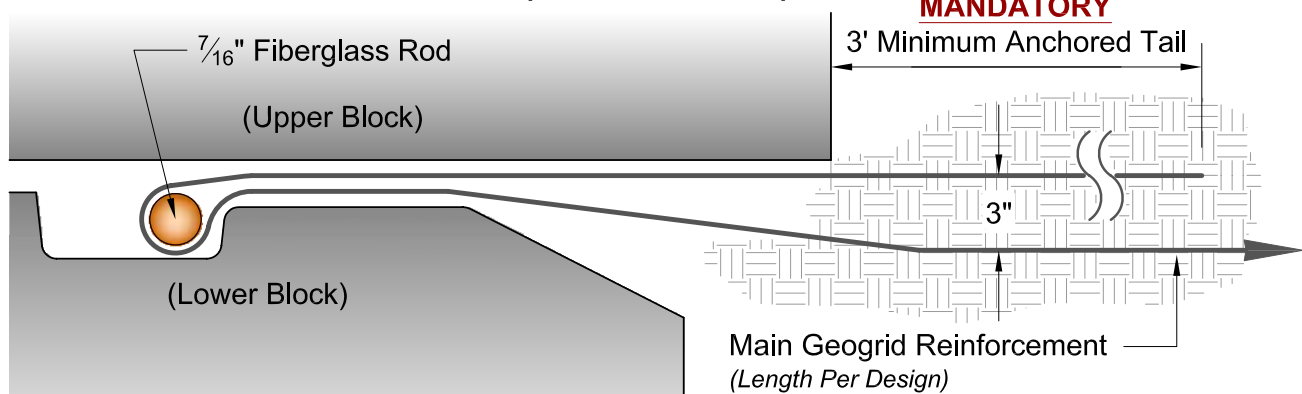
(L) = Length of geogrid. Measurements are
from the face of the block.



See Redi-Rock.com for Detailed
Section Drawings of Each Condition
Shown in the Design Charts

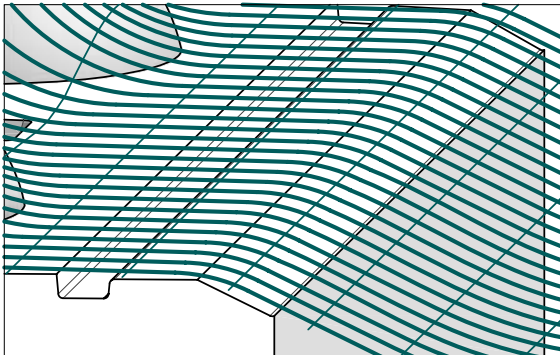
DRAWN BY J. JOHNSON	04/14/11	Redi-Rock® International, LLC	
CHECKED BY			
APPROVED BY		DRAWING FILE Typical 28 in Block Reinforced Wall 041411.dwg	REVISION ---
ISSUE DATE		SCALE NO SCALE	SHEET NO. 1 OF 1

Type 1AT Connection (Anchored Tail)



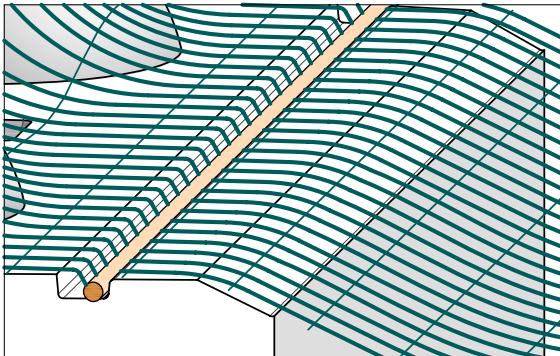
INSTALLATION STEP 1

Place geogrid on block over the groove. Leave about 3'-6" extending over the block past the groove to provide for the tail.



INSTALLATION STEP 2

Place the fiberglass rod on top of geogrid.



Main Geogrid Reinforcement
(Length Per Design)

$\frac{7}{16}$ " Fiberglass Rod is Available
From Your Local Authorized
Redi-Rock Dealer

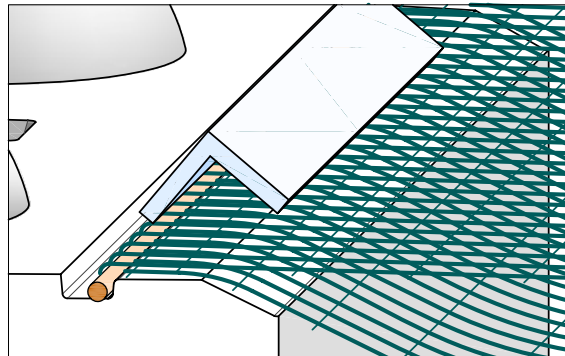
See www.redi-rock.com for
Geogrid Connection and
Interface Shear Test Reports.

TIP FOR STEP 3

A steel angle can be used to hold
the geogrid and rod in position.

INSTALLATION STEP 3

Fold the geogrid over the fiberglass rod. Pull to
tighten rod snug with the back of the groove.
Extend the geogrid tail behind the block to provide
a minimum of 3'-0" embedment behind the back of
the block.



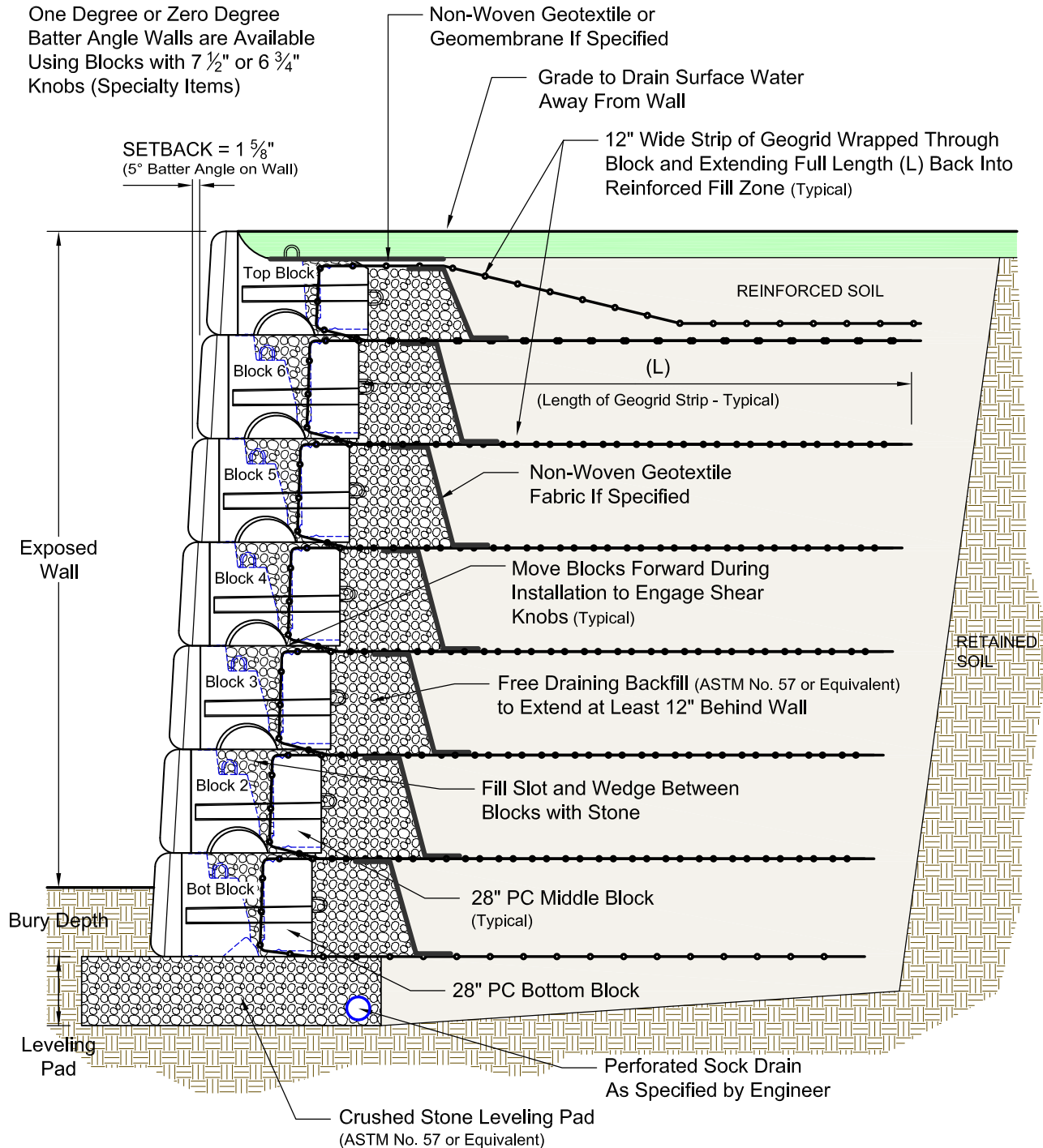
DRAWN BY J. JOHNSON	04/09/08	Redi-Rock® International, LLC	
CHECKED BY		DRAWING FILE Connection - Type 1AT.dwg	REVISION ---
APPROVED BY		SCALE NO SCALE	SHEET NO. 1 OF 1
ISSUE DATE			

Typical Reinforced Wall with 28" Positive Connection (PC) Blocks

No Scale

NOTE:

One Degree or Zero Degree
Batter Angle Walls are Available
Using Blocks with 7 1/2" or 6 3/4"
Knobs (Specialty Items)



• This drawing is for reference only.

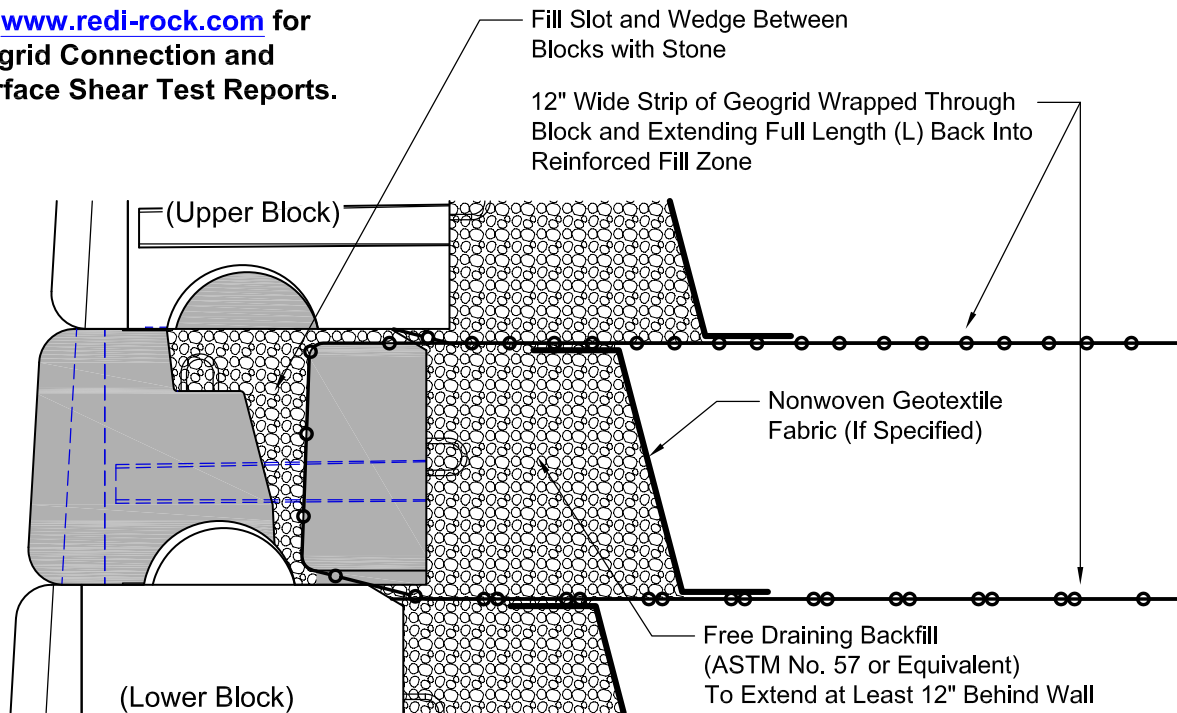
• **Final designs for construction must be prepared by a registered Professional Engineer** using the actual conditions of the proposed site.

• **Final wall design must address both internal and external drainage and shall be evaluated by the Professional Engineer who is responsible for the wall design.**

DRAWN BY J. JOHNSON	05/23/11	Redi-Rock® International, LLC	
CHECKED BY			
APPROVED BY		DRAWING FILE Typical 28in PC Block Reinforced Wall 052311.dwg	REVISION ---
ISSUE DATE		SCALE NO SCALE	SHEET NO. 1 OF 1

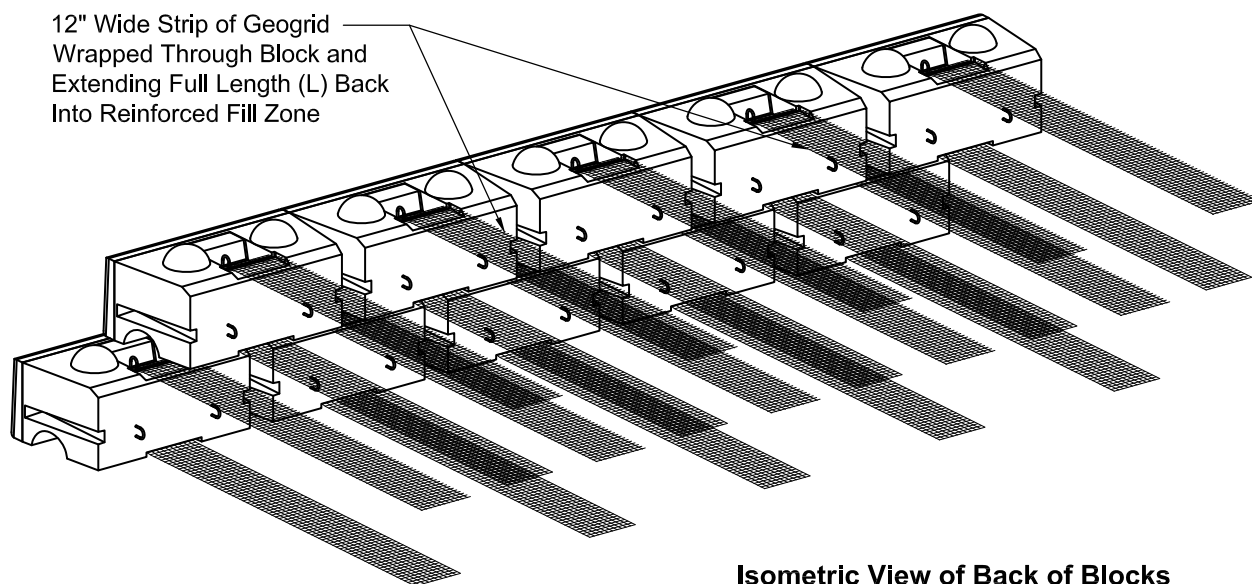
Positive Connection (PC) Details

See www.redi-rock.com for
Geogrid Connection and
Interface Shear Test Reports.



Section View Through Blocks

No Scale

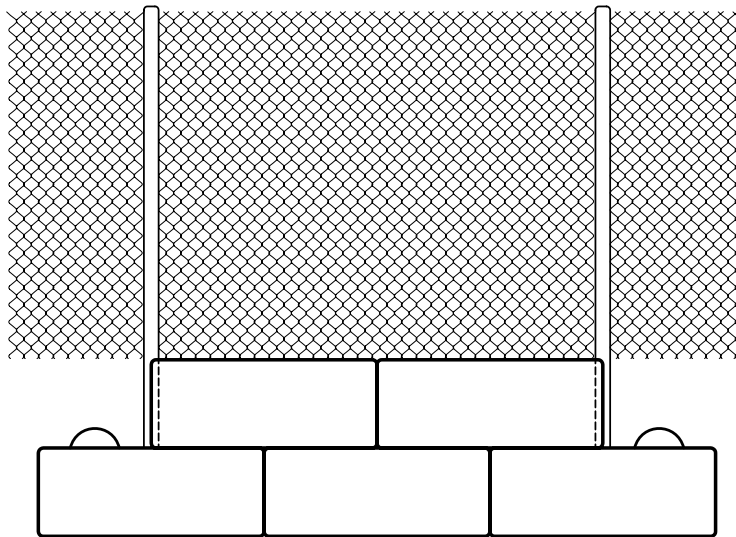


Isometric View of Back of Blocks

No Scale

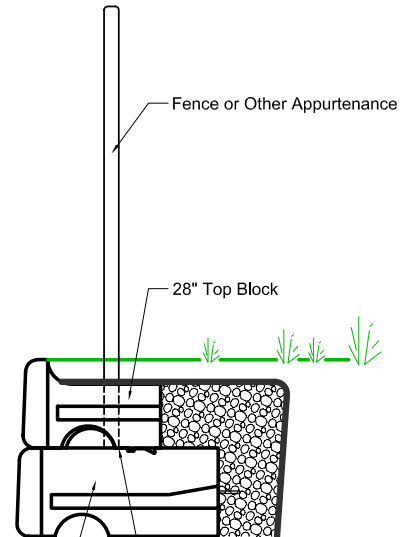
DRAWN BY J. JOHNSON	05/23/11	Redi-Rock® International, LLC	
CHECKED BY			
APPROVED BY		DRAWING FILE Positive Connection Details 052311.dwg	REVISION —
ISSUE DATE		SCALE NO SCALE	SHEET NO. 1 OF 1

TYPICAL APPURTENANCE INSTALLATION WITH REDI-ROCK WALLS



Front View

(NO SCALE)

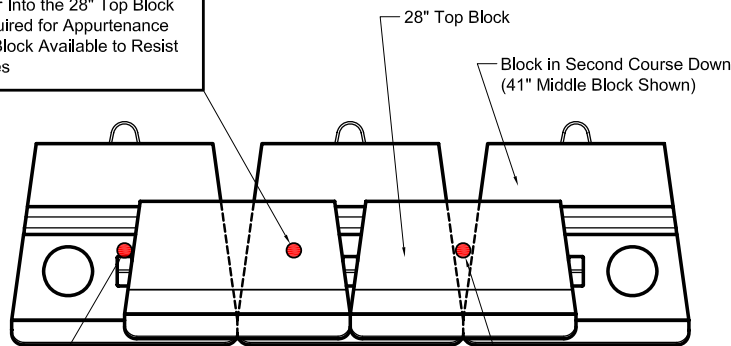


Side View

(NO SCALE)

CONNECTION OPTION #1

- Expansion Anchor Into the 28" Top Block
- Spacing as Required for Appurtenance
- Mass of Single Block Available to Resist Overturning Forces



Top View

(NO SCALE)

CONNECTION OPTION #2

- Grout Posts in V-Shaped Opening Between 28" Top Blocks
- Spacing in Multiples of 46 1/8" Increments
- Mass of 2 Adjacent Blocks Available to Resist Overturning Forces

CONNECTION OPTION #3

- Core Through Top Block and Grout Posts in V-Shaped Opening Between Blocks in Second Course Down
- Spacing in Multiples of 46 1/8" Increments
- Mass of 2 Adjacent Blocks in Second Level Down and 3 Top Row Blocks Available to Resist Overturning Forces

DRAWN BY J. JOHNSON	06/27/08	Redi-Rock® International, LLC	
CHECKED BY			
APPROVED BY		DRAWING FILE Appurtenance - Typical Installation.dwg	REVISION ---
ISSUE DATE		SCALE NO SCALE	SHEET NO. 1 OF 1